

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1818 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	26/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7648911 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	490518 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Gently inclined
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Crusty Black Vertosol Slightly gravelly Fine Medium fine Deep		Principal Profile Form:	Ug5.24
ASC Confidence:		Great Soil Group:	Black earth
Confidence level not specified			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Cenchrus ciliaris
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia argyrodendron, Terminalia oblongata,

Lysiphillum carronii

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, rounded, Sandstone

Profile Morphology

A11	0 - 0.01 m	Dark greyish brown (10YR4/2-Moist); ; Light medium clay; Weak grade of structure, 2-5 mm, Platy; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.01);
A12	0.01 - 0.2 m	Dark grey (10YR4/1-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.1);
B21	0.2 - 0.8 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Sandstone, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , , Field pH 8.5 (Raupach, 0.6);
B22	0.8 - 1.3 m	Black (10YR2/1-Moist); ; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Sandstone, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , , Field pH 7.5 (Raupach, 1.3);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP		
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents						K sat		K unsat		
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile